

Floating Terminator - 1981 Ref DesignCivil Construction Costs OnlySummaryConcrete

Insitu Concrete Grade 40	7139	m <sup>3</sup>	58.00	414,050
Weak concrete as ballast	7460	m <sup>3</sup>	38.67	288,500
Precast concrete Grade 50	21158	m <sup>3</sup>	180.00	3,808,450

Formwork

Permanent void former (precast concrete)	243	m <sup>3</sup>	43.40	10,550
General	4848	m <sup>2</sup>	8.50	41,200
Confined position	24128	m <sup>2</sup>	17.90	431,900

Reinforcement

Not exceeding 12mm	260		543.00	141,200
Exceeding 12mm	85	T	422.00	35,850

345

Prestressing

Pre-tensioning	140	T	1260.00	176,400
Post-tensioning Less than 10m	25	T	6920.00	173,000
Post-tensioning Less than 10-50m	190	T	2150.00	408,500
Post-tensioning over 50m	460	T	1480.00	680,800

8151

Temporary Works

Temporary bolt-on stiffening beam	175	T	50.00	8,750
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Standard Costing

£6,619,150

LESS

Saving on Precast Concrete work by using  
alternative costing as shown on next page

Alternative Costing

993,050  
£5,626,100

## Summary (Contd)

### Comparison of Precast Concrete Prices

#### Standard Costing

Precast concrete grade 50	21158	m <sup>3</sup>	180.00	3,808,450
Permanent void former	243	m <sup>3</sup>	43.40	10,550
				<u>£3,819,000</u>

#### Alternative Costing

Precast concrete Grade 50 (excluding formwork, reinforcement and epoxy)	21158	m <sup>3</sup>	83.00	1,756,100
Permanent void former	243	m <sup>3</sup>	43.40	10,550
Formwork	100199	m <sup>2</sup>	5.25	526,050
Reinforcement not exceeding 12mm	780	T	543.00	423,550
Reinforcement not exceeding 12mm	260	T	422.00	109,700
				<u>£2,825,950</u>

32133/m<sup>3</sup>

Saving £993,050.00

N.E.L. - O.W.C

Floating Terminator - 1981 Ref. Design

Precast Concrete Units

	<u>Concrete</u>	<u>Formwork</u>
Unit Type A each	167.06m <sup>3</sup>	773.85m <sup>2</sup>
B each	128.01m <sup>3</sup>	583.62m <sup>2</sup>
C1 each	51.27m <sup>3</sup>	221.68m <sup>2</sup>
C2/3 each	90.48m <sup>3</sup>	367.20m <sup>2</sup>
D each	81.26m <sup>3</sup>	360.68m <sup>2</sup>
E each	68.44m <sup>3</sup>	205.90m <sup>2</sup>
F each	70.20m <sup>3</sup>	283.40m <sup>2</sup>
Nosing (366m)	242.00m <sup>3</sup>	6513.84m <sup>2</sup>